



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lamphere et al.

Att'y. Docket: 1611/122

Serial No.: 09/733,624

Art Unit: 2412

Date Filed: December 8, 2000

Examiner: Sorkin, D.

Invention: SHAPED DIAPHRAGM FOR A CENTRIFUGE SYSTEM ROTOR

Date: November 18, 2002

#8 (13)
Amended
12/9/02
J. Butts

CERTIFICATE OF MAILING

I hereby certify that this document, along with any other papers referred to as being attached or enclosed, is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on November 18, 2002.

Alexander J. Smolenski

Commissioner for Patents
Washington, D.C. 20231

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Technology Center 2400

RESPONSE

Dear Sir:

In response to the Office Action mailed July 18, 2002, applicant respectfully requests consideration of the following amendment and remarks.

In the Claims:

Please cancel claim 3 and amend claims 1 and 6 as follows:

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1. (Once Amended) A fluid processing disposable set comprising:
a fluid port adapted to couple with a container; and
a variable-volume chamber in fluid communication with the fluid port, the chamber defined by a fixed wall and an elastic wall, the elastic wall formed by a convoluted diaphragm, wherein the elastic wall is substantially adjacent a flat wall when in an unstretched state.

6. (Once Amended) A fluid processing disposable set comprising:
a fluid port adapted to couple with a container; and

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a variable-volume chamber in fluid communication with the fluid port, the chamber defined by a fixed wall and an elastic wall, the elastic wall formed by a shaped diaphragm;

a rotary seal coupled to the fluid port, the rotary seal fluidly coupled to the chamber, wherein the shaped diaphragm is essentially planar in an unstretched position, the diaphragm varying in thickness.
